

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L9	5	("20020038128"   "5752970"   "6030364"   "6083203"   "6497686"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/09 08:51
L10	71	("3253594"   "3530860"   "3786810"   "4077412"   "4112932"   "4412832"   "4738666"   "4862891"   "4921479"   "4983168"   "5015239"   "5074846"   "5112308"   "5139486"   "5151086"   "5158545"   "5167627"   "5176649"   "5183464"   "5209736"   "5246424"   "5263937"   "5275583"   "5275611"   "5312360"   "5344420"   "5346459"   "5364372"   "5431676"   "5437644"   "5443484"   "5454790"   "5531678"   "5533977"   "5536255"   "5545141"   "5573517"   "5577993"   "5584847"   "5824002"). PN. OR ("6030364"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/09 09:02
L11	26	("2513014"   "3744493"   "4086914"   "4361150"   "4601699"   "4657421"   "4661098"   "4685904"   "4863439"   "4966478"   "4994028"   "5019053"   "5120316"   "5123905"   "5273532"). PN. OR ("6530896"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/09 09:02
L12	7	("5156609"   "5752970"   "6183444"   "6183485"   "6197324"   "6436068"   "6497651"). PN. OR ("6939318"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/09 09:02
L13	101	(L10 or L11 or L12)	US-PGPUB; USPAT	OR	OFF	2010/09/09 09:02
L29	1	("5888196"). PN.	US-PGPUB; USPAT	OR	OFF	2010/09/09 09:55

S1	13	((YARON) near2 (KEI DAR)) .INV.	US-PGPUB; USPAT	OR	OFF	2008/11/20 13:21
S2	1178	(606/198).CQLS.	US-PGPUB; USPAT	OR	OFF	2008/11/20 13:22
S3	1	("20050113860").PN.	US-PGPUB; USPAT	OR	OFF	2008/11/20 13:22
S4	1654	(606/167).CQLS.	US-PGPUB; USPAT	OR	OFF	2008/11/20 13:22
S5	21	("20020128636"   "20020161424"   "20020169377"   "20030050637"   "20030083613"   "20050222599"   "20060079925"   "3991756"   "4350151"   "4553542"   "4863430"   "4976684"   "5312341"   "5575766"   "5800450"   "5814073"   "5965089"   "6099511"   "6217549"   "6254628"   "0668879"). PN.	US-PGPUB; USPAT	OR	OFF	2008/11/20 13:22
S6	8	US-4350151-\$.DID. OR US- 5312341-\$.DID. OR US- 5575766-\$.DID. OR US- 5800450-\$.DID. OR US- 20020128636-\$.DID. OR US-20020161424-\$.DID. OR US-20030050637-\$. DID. OR US-20030083613- \$.DID.	US-PGPUB; USPAT	OR	OFF	2008/11/20 13:23
S7	4	("5814073") or ("4863430") or ("6254628") or ("6099511").PN.	US-PGPUB; USPAT	OR	OFF	2008/11/20 13:25
S10	6232	(ring or body or tube or cylinder or shaft) same (open\$4 or move\$5 or effect\$3 or slid\$5 or pull\$3 or hinge\$4) same (segment \$4 or slot\$4 or dilat\$4) same (tip or puncture) and (medical or surgical or surgery)	US-PGPUB; USPAT	OR	ON	2008/11/20 14:47

S11	1336	(ring or body or tube or cylinder or shaft) same (open\$4 or move\$5 or effect\$3 or pull\$3 or hinge\$4) same slid\$5 same (segment\$4 or slot\$4 or dilat\$4) same (tip or puncture) and (medical or surgical or surgery)	US-PGPUB; USPAT	OR	ON	2008/11/20 14:48
S12	212	(S4 or S2 or S5) and (ring or body or tube or cylinder or shaft) same (open\$4 or move\$5 or effect\$3 or slid\$5 or pull\$3 or hinge\$4) same (segment\$4 or slot\$4 or dilat\$4) same (tip or puncture) and (medical or surgical or surgery)	US-PGPUB; USPAT	OR	ON	2008/11/20 14:51
S13	38	("0084815"   "0765879"   "3486505"   "3875595"   "4349921"   "4545374"   "4772287"   "5047055"   "5171280"   "5192326"   "5263937"   "5300070"   "5443514"   "5674295"   "5676681"   "5720753"   "5766252"   "5800549"   "5824002"   "6162236"). PN. OR ("6436119"). UPPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/20 15:02
S14	12	(ring or body or tube or cylinder or shaft) same (septal) same (open\$4 or move\$5 or effect\$3 or slid\$5 or pull\$3 or hinge\$4) same (split\$5 or segment\$4 or slot\$4 or dilat\$4) same (tip or puncture) and (medical or surgical or surgery)	US-PGPUB; USPAT	OR	ON	2008/11/20 15:22
S15	126	("0728175"   "0765879"   "0832201"   "1127948"   "1267066"   "2621651"   "2854983"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4669467"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4848336"   "4862874"   "4919112"   "5001556"   "5002041"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/20 16:01

		"5011488"   "5019040"   "5030201"   "5034001"   "5089006"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5156594"   "5179961"   "5180368"   "5192290"   "5193546"   "5197971"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"   "5493000"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5556408"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5632746"   "5649941"   "5653684"   "5662671"   "5683451"   "5688234"   "5695515"   "5707390"   "5713907"   "5762613"   "5766151"   "5800450"   "5816923"   "6015423"   "6436119"   "6520973"   "RE32158"). PN. OR ("6638247"). URPN.				
S16	1	("6217549"). PN.	US-PGPUB; USPAT	OR	OFF	2008/11/21 10:05
S17	1	"20060079925"	US-PGPUB; USPAT	OR	OFF	2008/11/21 10:10
S18	116	("0832201"   "1127948"   "1267066"   "2621651"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4862874"   "5001556"   "5011488"   "5019040"   "5030201"   "5034001"   "5092839"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/21 10:11

		"5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5179961"   "5180368"   "5192290"   "5193546"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5649941"   "5653684"   "5662671"   "5688234"   "5707390"   "5713907"   "5800450"   "5816923"   "Re32158"). PN. OR ("6217549"). URPN.				
S20	1298	(ring or body or tube or cylinder or shaft) same (open\$4 or move\$5 or effect\$3 or slid\$5 or pull\$3 or hinge\$4) same (segment \$4 or split\$4 or slot\$4 or dilat\$4) same needle same (tip or puncture) and (medical or surgical or surgery)	US-PGPUB; USPAT	OR	ON	2008/11/21 10:18
S21	291	(ring or body or tube or cylinder or shaft) same (open\$4 or move\$5 or effect\$3 or pull\$3 or hinge \$4) same slid\$5 same (segment\$4 or split\$4 or slot\$4 or dilat\$4) same needle same (tip or puncture) and (medical or surgical or surgery)	US-PGPUB; USPAT	OR	ON	2008/11/21 10:18
S22	1654	(606/167). CQLS.	US-PGPUB; USPAT	OR	OFF	2008/11/21 10:52
S23	11	("5201752"   "5352235"). PN. OR ("5522839"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/21 11:21

S25	2	((("6564078") or ("7079883"))).PN.	US-PGPUB; USPAT	OR	OFF	2008/11/21 13:39
S26	1	("6254628").PN.	US-PGPUB; USPAT	OR	OFF	2008/11/21 14:56
S27	2	((("20050222599") or ("6099511"))).PN.	US-PGPUB; USPAT	OR	OFF	2009/07/10 13:58
S28	5040	(heart or transeptal or septum or atrium) same (needle or puncture or sharp or penetrat\$4) same (dilat\$4 or expand\$4 or open or opening or opened) and (medical or surgical or surgery)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/11 12:17
S34	303	(heart or transeptal or septum or atrium) same (needle or puncture or sharp or penetrat\$4) same (dilat\$4 or expand\$4 or open or opening or opened) same (hing\$4 or joint or articulat\$4 or pivot \$4) and (medical or surgical or surgery)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/11 12:22
S36	1802	(606/167).CQLS.	US-PGPUB; USPAT	OR	OFF	2010/02/11 14:15
S37	1219	(606/198).CQLS.	US-PGPUB; USPAT	OR	OFF	2010/02/11 14:16
S39	7	(S36 and S37) NOT S34	US-PGPUB; USPAT	OR	ON	2010/02/11 14:16
S40	65	("2253132"   "2400251"   "2631585"   "3580313"   "3657744"   "4156424"   "4254763"   "4617916"   "4945897"   "5026376"   "5027793"   "5122130"   "5174278"   "5308349"   "5397330"   "5536251"   "5562679"   "5569300"   "5618260"   "5681265"   "5735849"   "5755726"   "D275790"   "D319877").PN. OR ("6099547").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 14:18

S42	20	(US-20060079925-\$ or US-20020169377-\$ or US-20060287574-\$ or US-20080142566-\$ or US-20040249393-\$ or US-20010018596-\$ or US-20060167487-\$ or US-20060178693-\$ or US-20080065144-\$).did. or (US-6217549-\$ or US-0668879-\$ or US-5683451-\$ or US-5685826-\$ or US-6436119-\$ or US-0765879-\$ or US-6638247-\$ or US-5423846-\$ or US-5522839-\$ or US-7079883-\$ or US-6564078-\$).did.	US-PGPUB; USPAT	OR	ON	2010/02/11 14:32
S44	121	"0832201"   "1127948"   "1267066"   "2621651"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4862874"   "5001556"   "5011488"   "5019040"   "5030201"   "5034001"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5179961"   "5180368"   "5192290"   "5193546"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5649941"   "5653684"   "5662671"   "5688234"   "5707390"   "5713907"   "5800450"	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 14:34

		"5816923"   "Re32158"). PN. OR ("6217549"). URPN.				
S45	119	("0728175"   "0765879"   "0832201"   "1127948"   "1267066"   "2621651"   "2854983"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4669467"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4848336"   "4862874"   "4919112"   "5001556"   "5002041"   "5011488"   "5019040"   "5030201"   "5034001"   "5089006"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5156594"   "5179961"   "5180368"   "5192290"   "5193546"   "5197971"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5263967"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"   "5493000"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5556408"   "5569298"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5632746"   "5649941"   "5653684"   "5662671"   "5683451"   "5688234"   "5695515"   "5707390"   "5713907"   "5728123"   "5752973"   "5762613"   "5766151"   "5800450"   "5816923"   "5893875"   "5964779"   "5968064"   "6010449"   "6015423"   "6120516"	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 14:53



		"6217549"   "6398798"   "6436119"   "6508825"   "6520973"   "RE32158"). PN. OR ("6746462"). URPN.				
S47	121	"0728175"   "0765879"   "0832201"   "1127948"   "1267066"   "2621651"   "2854983"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4669467"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4848336"   "4862874"   "4919112"   "5001556"   "5002041"   "5011488"   "5019040"   "5030201"   "5034001"   "5089006"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5156594"   "5179961"   "5180368"   "5192290"   "5193546"   "5197971"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5263967"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"   "5493000"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5556408"   "5569298"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5632746"   "5649941"   "5653684"   "5662671"   "5683451"   "5688234"   "5695515"   "5707390"   "5713907"   "5752973"   "5762613"   "5766151"   "5800450"   "5816923"   "5893875"   "5964779"   "5968064"	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 14:54

		"6010449"   "6015423"   "6120516"   "6217549"   "6398798"   "6436119"   "6508825"   "6520973"   "RE32158"). PN. OR ("6800085"). URPN.				
S48	34	(S45 or S47) NOT (S44 or S34 or S39 or S40 or S42)	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 14:59
S50	106	("0832201"   "1127948"   "1267066"   "2621651"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4669467"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4848336"   "4862874"   "4919112"   "5001556"   "5011488"   "5019040"   "5030201"   "5034001"   "5089006"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5156594"   "5179961"   "5180368"   "5192290"   "5193546"   "5197971"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5556408"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5653684"   "5688234"   "5707390"   "5713907"   "5766151"   "5800450"   "5816923"   "6010449"   "6015423"   "RE32158"). PN. OR ("6398798"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 15:06

S51	129	("0728175"   "0832201"   "1127948"   "1267066"   "2621651"   "2854983"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4669467"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4848336"   "4862874"   "4919112"   "5001556"   "5002041"   "5011488"   "5019040"   "5030201"   "5034001"   "5089006"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5156594"   "5179961"   "5180368"   "5192290"   "5193546"   "5197971"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5556408"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5632746"   "5649941"   "5653684"   "5662671"   "5688234"   "5695515"   "5707390"   "5713907"   "5752973"   "5766151"   "5800450"   "5816923"   "5968064"   "6015423"   "RE32158"). PN. OR ("6508825"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 15:07
S52	13	(S50 or S51) NOT (S44 or S34 or S39 or S40 or S42 or S45 or S47)	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 15:08

S53	2958	(S36 or S37) NOT (S34 or S39 or S40 or S42 or S44 or S45 or S47 or S50 or S51)	US-PGPUB; USPAT	OR	ON	2010/02/11 15:08
S71	2954	(S55 or S56) NOT (S54 or S57 or S58 or S59 or S60 or S61 or S62 or S63 or S64 or S68 or S69)	US-PGPUB; USPAT	OR	ON	2010/02/11 18:46
S74	1	("20050049634").PN.	US-PGPUB; USPAT	OR	OFF	2010/02/12 11:10
S75	67	("1863057"   "1909967"   "2854983"   "2936760"   "3039468"   "3253594"   "3397699"   "3417745"   "3459175"   "3495586"   "3774596"   "3800788"   "3882852"   "3915171"   "4077412"   "4083369"   "4177814"   "4198981"   "4228802"   "4230119"   "4295464"   "4312353"   "4447227"   "4501266"   "4555242"   "4572186"   "4585000"   "4589868"   "4608965"   "4610662"   "4651717"   "4706670"   "4779611"   "4798205"   "4800901"   "4802479"   "4861334"   "4875468"   "4899729"   "4921478"   "4927412"   "4932956"   "4954126"   "4966583"   "4984564"   "4994047"   "4998539"   "5002557"   "5041093"   "5042976"   "5122122"   "5163949"   "5514091").PN. OR ("6451042").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/12 18:37
S76	311	(606/119).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/02/12 21:37
S77	1277	(606/191).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/02/12 21:37
S78	1568	(S76 or S77)	US-PGPUB; USPAT	OR	ON	2010/02/12 21:37

S79	303	(heart or transeptal or septum or atrium) same (needle or puncture or sharp or penetrat\$4) same (dilat\$4 or expand\$4 or open or opening or opened) same (hing\$4 or joint or articulat\$4 or pivot \$4) and (medical or surgical or surgery)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/12 21:37
S80	1802	(606/167).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/02/12 21:37
S81	1219	(606/198).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/02/12 21:37
S82	7	(S80 and S81) NOT S79	US-PGPUB; USPAT	OR	ON	2010/02/12 21:37
S83	65	("2253132"   "2400251"   "2631585"   "3580313"   "3657744"   "4156424"   "4254763"   "4617916"   "4945897"   "5026376"   "5027793"   "5122130"   "5174278"   "5308349"   "5397330"   "5536251"   "5562679"   "5569300"   "5618260"   "5681265"   "5735849"   "5755726"   "D275790"   "D319877"). PN. OR ("6099547"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/12 21:37
S84	20	(US-20060079925-\$ or US- 20020169377-\$ or US- 20060287574-\$ or US- 20080142566-\$ or US- 20040249393-\$ or US- 20010018596-\$ or US- 20060167487-\$ or US- 20060178693-\$ or US- 20080065144-\$).did. or (US-6217549-\$ or US- 0668879-\$ or US-5683451- \$ or US-5685826-\$ or US- 6436119-\$ or US-0765879- \$ or US-6638247-\$ or US- 5423846-\$ or US-5522839- \$ or US-7079883-\$ or US- 6564078-\$).did.	US-PGPUB; USPAT	OR	ON	2010/02/12 21:37

S85	121	("0832201"   "1127948"   "1267066"   "2621651"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4862874"   "5001556"   "5011488"   "5019040"   "5030201"   "5034001"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5179961"   "5180368"   "5192290"   "5193546"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5649941"   "5653684"   "5662671"   "5688234"   "5707390"   "5713907"   "5800450"   "5816923"   "Re32158"). PN. OR ("6217549"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/12 21:37
S86	119	("0728175"   "0765879"   "0832201"   "1127948"   "1267066"   "2621651"   "2854983"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4669467"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4848336"   "4862874"   "4919112"   "5001556"   "5002041"	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/12 21:37

"5011488"	"5019040"
"5030201"	"5034001"
"5089006"	"5092839"
"5098381"	"5099850"
"5100425"	"5102390"
"5114414"	"5156594"
"5179961"	"5180368"
"5192290"	"5193546"
"5197971"	"5209729"
"5211654"	"5217484"
"5263959"	"5263963"
"5263967"	"5279565"
"5282817"	"5304199"
"5321501"	"5334210"
"5336252"	"5350377"
"5351678"	"5383467"
"5409453"	"5415636"
"5423846"	"5439000"
"5456667"	"5459570"
"5484412"	"5486170"
"5486193"	"5490859"
"5493000"	"5499995"
"5501694"	"5507295"
"5507296"	"5511559"
"5522819"	"5540707"
"5556408"	"5569298"
"5573531"	"5599306"
"5618300"	"5626599"
"5626607"	"5632746"
"5649941"	"5653684"
"5662671"	"5683451"
"5688234"	"5695515"
"5707390"	"5713907"
"5728123"	"5752973"
"5762613"	"5766151"
"5800450"	"5816923"
"5893875"	"5964779"
"5968064"	"6010449"
"6015423"	"6120516"
"6217549"	"6398798"
"6436119"	"6508825"
"6520973"	"RE32158")
PN. OR ("6746462").	
URPN.	

S87	121	"0728175"   "0765879"   "0832201"   "1127948"   "1267066"   "2621651"   "2854983"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4669467"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4848336"   "4862874"   "4919112"   "5001556"   "5002041"   "5011488"   "5019040"   "5030201"   "5034001"   "5089006"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5156594"   "5179961"   "5180368"   "5192290"   "5193546"   "5197971"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5263967"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"   "5493000"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5556408"   "5569298"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5632746"   "5649941"   "5653684"   "5662671"   "5683451"   "5688234"   "5695515"   "5707390"   "5713907"   "5752973"   "5762613"   "5766151"   "5800450"   "5816923"   "5893875"   "5964779"   "5968064"   "6010449"   "6015423"   "6120516"   "6217549"   "6398798"   "6436119"   "6508825"   "6520973"   "RE32158").PN. OR	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/12 21:37
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		("6800085"). URPN.				
S88	106	"0832201"	"1127948"	US-PGPUB; USPAT; USOCR	OR	ON
		"1267066"	"2621651"			2010/02/12 21:37
		"3640270"	"3667474"			
		"4043323"	"4355643"			
		"4541433"	"4572186"			
		"4585000"	"4630609"			
		"4648402"	"4669467"			
		"4681110"	"4698057"			
		"4723549"	"4737142"			
		"4787388"	"4794928"			
		"4848336"	"4862874"			
		"4919112"	"5001556"			
		"5011488"	"5019040"			
		"5030201"	"5034001"			
		"5089006"	"5092839"			
		"5098381"	"5099850"			
		"5100425"	"5102390"			
		"5114414"	"5156594"			
		"5179961"	"5180368"			
		"5192290"	"5193546"			
		"5197971"	"5209729"			
		"5211654"	"5217484"			
		"5263959"	"5263963"			
		"5279565"	"5282817"			
		"5304199"	"5321501"			
		"5334210"	"5336252"			
		"5350377"	"5351678"			
		"5383467"	"5409453"			
		"5415636"	"5423846"			
		"5439000"	"5456667"			
		"5459570"	"5484412"			
		"5486170"	"5486193"			
		"5490859"	"5499995"			
		"5501694"	"5507295"			
		"5507296"	"5511559"			
		"5522819"	"5540707"			
		"5556408"	"5573531"			
		"5599306"	"5618300"			
		"5626599"	"5626607"			
		"5653684"	"5688234"			
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		"5766151"	"5800450"			
		"5816923"	"6010449"			
		"6015423"	"RE32158").			
		PN. OR ("6398798").				
		URPN.				

S89	129	("0728175"   "0832201"   "1127948"   "1267066"   "2621651"   "2854983"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4669467"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4848336"   "4862874"   "4919112"   "5001556"   "5002041"   "5011488"   "5019040"   "5030201"   "5034001"   "5089006"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5156594"   "5179961"   "5180368"   "5192290"   "5193546"   "5197971"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5556408"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5632746"   "5649941"   "5653684"   "5662671"   "5688234"   "5695515"   "5707390"   "5713907"   "5752973"   "5766151"   "5800450"   "5816923"   "5968064"   "6015423"   "RE32158"). PN. OR ("6508825"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/12 21:37
S90	13	(S88 or S89) NOT (S85 or S79 or S82 or S83 or S84 or S86 or S87)	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/12 21:37

S91	14	("0319296"   "0832201"   "1331737"   "5454365"   "5645547"   "5685826"   "5695515"   "5871504"   "5888196"   "6398798"   "6436119").PN. OR ("7211098").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/12 21:37
S93	2954	(S80 or S81) NOT (S79 or S82 or S83 or S84 or S85 or S86 or S87 or S88 or S89 or S90 or S91)	US-PGPUB; USPAT	OR	ON	2010/02/12 21:39
S94	1355	(S78) NOT (S93 or S80 or S81 or S79 or S82 or S83 or S84 or S85 or S86 or S87 or S88 or S89 or S90 or S91)	US-PGPUB; USPAT	OR	ON	2010/02/12 21:39
S95	680	(606/181).CQLS.	US-PGPUB; USPAT	OR	OFF	2010/02/12 21:42
S96	276	(606/184).CQLS.	US-PGPUB; USPAT	OR	OFF	2010/02/12 21:42
S97	898	(606/185).CQLS.	US-PGPUB; USPAT	OR	OFF	2010/02/12 21:42
S98	1775	(S95 or S96 or S97)	US-PGPUB; USPAT	OR	ON	2010/02/12 21:42
S99	1549	(S98) NOT (S78 or S93 or S80 or S81 or S79 or S82 or S83 or S84 or S85 or S86 or S87 or S88 or S89 or S90 or S91)	US-PGPUB; USPAT	OR	ON	2010/02/12 21:43
S100	48	("4846791"   "5209736"   "5263937"   "5320611"   "5389077"   "5431676"   "5562677").PN. OR ("6162236").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/12 22:25
S115	74	("20010029377"   "20010029377"   "20010031968"   "20010031969"   "20020123754"   "20020143343"   "20020198532"   "20030069586"   "20030078590"   "20030125739"   "20030149438"   "20030212404"   "20030225416"   "20030225416"   "20040039397"   "20040039397"   "20040078079"   "20040102790"   "20040106927"	US-PGPUB; USPAT	OR	ON	2010/02/13 10:16

		"20040117019"   "20040167535"   "20040167536"   "20040172037"   "20040225295"   "20040225295"   "20050010213"   "20050027300"   "20050043741"   "20050075644"   "20050119665"   "20050119665"   "20050143747"   "20050143747"   "20050159756"   "20050165408"   "20060074432"   "20060074432"   "3486505"   "4898161"   "4997432"   "5015247"   "5304119"   "5401269"   "5431658"   "5484437"   "5505732"   "5722977"   "5741253"   "5885299"   "5951564"   "6042582"   "6063088"   "6083225"   "6113602"   "6159215"   "6200322"   "6261296"   "6261296"   "6267763"   "6277122"   "6436119"   "6440142"   "6520967"   "6551316"   "6551316"   "6575981"   "6582437"   "6589247"   "6599291"   "6648888"   "6648895"   "6663638"   "6712825"   "6712825"   "6719760"   "6743234"   "6814737"   "6936071"   "7081118"   "7083649"   "7235101"   "7273496"   "7585326"   "7618444").PN.				
S116	1	(09/989055).APP.	USPAT; USOCR	OR	ON	2010/02/13 14:09

S117	204	("2370776"   "3254650"   "3254651"   "3519187"   "3774615"   "4118806"   "4214587"   "4217664"   "4350160"   "4352358"   "4366819"   "4368736"   "4503568"   "4523592"   "4534761"   "4553542"   "4577631"   "4589416"   "4593693"   "4603693"   "4607637"   "4624255"   "4624257"   "4657019"   "4665906"   "4721109"   "4747407"   "4752024"   "4773420"   "4861330"   "4875815"   "4883453"   "4892098"   "4907591"   "4917087"   "4917090"   "4917091"   "4930674"   "5005749"   "5015238"   "5062842"   "5089006"   "5104025"   "5119983"   "5129913"   "5156613"   "5156619"   "5171262"   "5178634"   "5187796"   "5192289"   "5193731"   "5205459"   "5211683"   "5217474"   "5221259"   "5221281"   "5222963"   "5234447"   "5250058"   "5250060"   "5271544"   "5275322"   "5285945"   "5290298"   "5292053"   "5304220"   "5314435"   "5314468"   "5326205"   "5333773"   "5336233"   "5350104"   "5354302"   "5364389"   "5366462"   "5392979"   "5395030"   "5395311"   "5401131"   "5403338"   "5443497"   "5447514"   "5454825"   "5456712"   "5456714"   "5464449"   "5465895"   "5478354"   "5503635"   "5515478"   "5522834"   "5524180"   "5533661"   "5540677"   "5553198"   "5556405"   "5558667"   "5571167"   "5643340"   "5645520"   "5657429"   "5669918"   "5669934"   "5676670"   "5693088"   "5695504"   "5702412"   "5707362"   "5707380"   "5709335"   "5709693"	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/13 14:09
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		"5725544"   "5725553"   "5732872"   "5754741"   "5755778"   "5762458"   "5779718"   "5792135"   "5797900"   "5797920"   "5799661"   "5799857"   "5807377"). PN. OR ("5814073"   "5815640"   "5817113"   "5827316"   "5833698"   "5841950"   "5855583"   "5868763"   "5875782"   "5878193"   "5879371"   "5881943"   "5893369"   "5904697"   "5907664"   "5911036"   "5915616"   "5921995"   "5944730"   "5947363"   "5957363"   "5968089"   "5972014"   "5976159"   "6001124"   "6007544"   "6013190"   "6015416"   "6022367"   "6024748"   "6030370"   "6030395"   "6036699"   "6036700"   "6036702"   "6036703"   "6036704"   "6036705"   "6050472"   "6053390"   "6056762"   "6066144"   "6066148"   "6068637"   "6074416"   "6080167"   "6080173"   "6083234"   "6110188"   "6113612"   "6117148"   "6120432"   "6146393"   "6149681"   "6152937"   "6152945"   "6165185"   "6167889"   "6171319"   "6171321"   "6176413"   "6176864"   "6186942"   "6187019"   "6187020"   "6190396"   "6190397"   "6190590"   "6193129"   "6193734"   "6206912"   "6206913"   "6235054"   "6485496"). PN. OR ("6893449"). URPN.				
S118	1	("6451042"). PN.	US-PGPUB; USPAT	OR	OFF	2010/02/16 11:23

S119	67	("1863057"   "1909967"   "2854983"   "2936760"   "3039468"   "3253594"   "3397699"   "3417745"   "3459175"   "3495586"   "3774596"   "3800788"   "3882852"   "3915171"   "4077412"   "4083369"   "4177814"   "4198981"   "4228802"   "4230119"   "4295464"   "4312353"   "4447227"   "4501266"   "4555242"   "4572186"   "4585000"   "4589868"   "4608965"   "4610662"   "4651717"   "4706670"   "4779611"   "4798205"   "4800901"   "4802479"   "4861334"   "4875468"   "4899729"   "4921478"   "4927412"   "4932956"   "4954126"   "4966583"   "4984564"   "4994047"   "4998539"   "5002557"   "5041093"   "5042976"   "5122122"   "5163949"   "5514091").PN. OR ("6451042").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 11:23
S120	7	(("6217549") or ("20050222599") or ("6099511") or ("20060079925") or ("6254628") or ("5814073") or ("4863430")).PN.	US-PGPUB; USPAT	OR	OFF	2010/02/16 11:49
S121	3	(("4976684") or ("3991756") or ("4553542")).PN.	US-PGPUB; USPAT	OR	OFF	2010/02/16 11:50
S122	46	("1870942"   "2854983"   "3108595"   "3397699"   "3716051"   "3779239"   "3961632"   "4224929"   "4409974"   "4453539"   "4608965"   "4716893"   "4721103"   "4921478"   "4984564"   "5053009"   "5122122").PN. OR ("5685826").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 13:11
S123	32	("1863057"   "2072346"   "3713447"   "4571241"). PN. OR ("5053009"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 13:25

S124	49	("0817973"   "20020072768"   "4204531"   "4854312"   "4995868"   "5059193"   "5074871"   "5108404"   "5171278"   "5390683"   "5423850"   "5480400"   "5554101"   "5637097"   "5685826"   "5690606"   "5693100"   "5707390"   "5755732"   "5782713"   "5782747"   "5785647"   "5827289"   "5865802"   "5882340"   "5972015"   "6039761"   "6127597"   "6146401"   "6149664"   "6187015"   "6190381"   "6214016"   "6228068"   "6228082"   "6325812"). PN. OR ("6676665"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 13:34
S125	76	(S123 or S124) NOT (S119 or S122)	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 13:36
S126	70	("1870942"   "2072346"   "2556783"   "2616429"   "3397699").PN. OR ("3713447").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 13:47
S138	136	("0832201"   "1433031"   "1863057"   "2854983"   "3108595"   "3397699"   "3517128"   "3557794"   "3716051"   "3779239"   "3968800"   "4409974"   "4453539"   "4608965"   "4716893"   "4721103"   "4909789"   "4995868"   "5002557"   "5053009"   "5122122").PN. OR ("5454365").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 14:15
S140	61	("1870942"   "2854983"   "3108595"   "3397699"   "3716051"   "3779239"   "3961632"   "4224929"   "4409974"   "4453539"   "4608965"   "4716893"   "4721103"   "4921478"   "4984564"   "5053009"   "5122122").PN. OR ("5888196").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 14:18
S141	186	(S126 or S138 or S140) NOT (S119 or S122 or S123 or S124)	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 14:26



S142	88	("1719428"   "1828986"   "1863057"   "1870942"   "2556783"   "3108595"   "3397699"   "3692029"   "3713447"   "3717151"   "3915171"   "3938530"   "3946741"   "4535773"   "4617929"   "4655752"   "4716901"   "4944732"   "4995868"   "5007900"   "5122114"   "5122122"   "5147316"   "5152754"   "5176649"   "5201742"   "5203773"   "5209741"   "5217441"   "5217451"   "5221281"   "5224951"   "5234447"   "5242409"   "5246424"   "5248302"   "5256147"   "5256149"   "5257973"   "5279567"   "5284474"   "5290249"   "5300036"   "5324268"   "5336206"   "5338305"   "5350393"   "5352206"   "5354283"   "5356421"   "5366445"   "5368607"   "5370625"   "5391156"). PN. OR ("5817062"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 14:51
S143	65	(S142) NOT (S126 or S138 or S140 or S119 or S122 or S123 or S124)	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 15:22
S144	40	("0318535"   "1719428"   "1733189"   "1870942"   "3108595").PN. OR ("3946741").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 15:24
S145	22	(S144) NOT (S142 or S126 or S138 or S140 or S119 or S122 or S123 or S124)	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 15:38
S147	323	(600/201).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/30 12:35
S148	207	(600/204).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/30 12:36
S149	173	(600/206).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/30 12:36
S150	185	(600/208).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/30 12:36
S151	783	(600/114).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/30 12:37
S152	201	(600/184).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/30 12:38

S153	970	(S147 or S148 or S149 or S150 or S152)	US-PGPUB; USPAT	OR	ON	2010/08/30 12:39
S154	769	S151 NOT (S147 or S148 or S149 or S150 or S152)	US-PGPUB; USPAT	OR	ON	2010/08/30 12:39
S155	1881	(606/167).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/30 12:40
S156	739	(606/181).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/30 12:40
S157	1175	(606/184-185).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/30 12:40
S158	1254	(606/198).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/30 12:41
S159	1198	(S158) NOT (S151 or S147 or S148 or S149 or S150 or S152)	US-PGPUB; USPAT	OR	ON	2010/08/30 12:42
S160	323	(600/201).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/30 16:04
S161	207	(600/204).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/30 16:04
S162	173	(600/206).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/30 16:04
S163	185	(600/208).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/30 16:04
S164	783	(600/114).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/30 16:04
S165	201	(600/184).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/30 16:04
S166	1881	(606/167).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/30 16:04
S167	739	(606/181).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/30 16:04
S168	1175	(606/184-185).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/30 16:04
S169	1254	(606/198).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/30 16:04
S170	3510	(S166 or S167 or S168) NOT (S169 or S164 or S160 or S161 or S162 or S163 or S165)	US-PGPUB; USPAT	OR	ON	2010/08/30 16:04
S171	41	("0350721"   "0365969"   "0380745"   "0708452"   "0832201"   "2083573"   "2545201"   "3568665"   "3702606"   "3985125"   "4010740"   "4130113"   "4350151"   "4385626"   "4597382"   "4807600"   "5007409").FN. OR ("5377667").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/30 16:44

S172	46	("0350721"   "0365969"   "0380745"   "0438626"   "0708452"   "0832201"   "2083573"   "2545201"   "3568665"   "3702606"   "3985125"   "4010740"   "4130113"   "4350151"   "4502468"   "4597382"   "4807600"   "5007409"). PN. OR ("5505690"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/30 16:45
S173	37	("0167666"   "0672239"   "1412975"   "2083573"   "4130113").PN. OR ("5509893").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/30 16:54
S174	138	("2669991"   "20020038077"   "20020183594"   "20030014076"   "20030036748"   "20030114832"   "20030135091"   "20030208122"   "20030236549"   "20040049099"   "20040167543"   "20050241647"   "20050288558"   "20060020241"   "20060041188"   "20060149306"   "20060241651"   "20060247498"   "20070203398"   "20070208312"   "20070276430"   "20080027476"   "20080200767"   "20080255519"   "20090012477"   "4016884"   "4112932"   "4644951"   "4863430"   "4863438"   "5026366"   "5159921"   "5183471"   "5241968"   "5242409"   "5258006"   "5269772"   "5312391"   "5330486"   "5334143"   "5366478"   "5375588"   "5383852"   "5391156"   "5395327"   "5395367"   "5441483"   "5467763"   "5480410"   "5490843"   "5522791"   "5540648"   "5545179"   "5549563"   "5549637"	US-PGPUB; USPAT	OR	ON	2010/08/30 18:47

		"5571115"   "5571137"   "5575799"   "5578048"   "5603723"   "5634911"   "5634937"   "5651771"   "5653705"   "5662662"   "5672168"   "5683378"   "5725536"   "5735791"   "5782859"   "5803921"   "5830191"   "5836871"   "5857461"   "5860995"   "5871474"   "5904703"   "5906577"   "5916147"   "5916198"   "5931832"   "5957913"   "5964781"   "5997515"   "6018094"   "6024736"   "6033378"   "6033426"   "6042573"   "6077288"   "6086603"   "6099506"   "6142936"   "6217555"   "6217590"   "6238373"   "6264604"   "6315770"   "6319246"   "6440061"   "6440063"   "6447489"   "6454783"   "6464686"   "6468292"   "6488620"   "6488692"   "6537209"   "6551270"   "6558371"   "6578577"   "6582364"   "6623426"   "6669674"   "6676639"   "6706050"   "6800084"   "6811532"   "6846287"   "6878110"   "6890295"   "6899673"   "6916331"   "6945932"   "6972026"   "7001397"   "7008377"   "7056321"   "7081089"   "7195590"   "7214185"   "7223257"   "7223278"   "7235084"   "7238154"   "7276075"   "7300399"   "7316699").PN.				
S177	148	(S171 or S172 or S173 or S174) NOT (S166 or S167 or S168 or S169 or S164 or S160 or S161 or S162 or S163 or S165)	US-PGPUB; USPAT	OR	ON	2010/08/30 18:54
S178	25	("0052014"   "0055511"   "0350721"   "0351548"   "0380745"   "2083573"   "5377667"   "5505690"   "5509893"   "6048308"   "6174282").PN. OR ("6280379").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/30 18:59

S179	5	((("6248113") or ("6096034") or ("0460940") or ("5910154") or ("5375612"))).PN.	US-PGPUB; USPAT	OR	OFF	2010/08/31 08:51
S180	2	((("5855601") or ("6093203"))).PN.	US-PGPUB; USPAT	OR	OFF	2010/08/31 08:53
S181	4	((("20030187467") or ("20030144694") or ("20030208209"))).PN. or (12/228154).APP.	US-PGPUB; USPAT	OR	OFF	2010/08/31 10:03
S182	3	("2485939").URPN.	USPAT	OR	ON	2010/08/31 14:15
S183	129	("0728175"   "0765879"   "0832201"   "1127948"   "1267066"   "2621651"   "2854983"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4669467"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4848336"   "4862874"   "4919112"   "5001556"   "5002041"   "5011488"   "5019040"   "5030201"   "5034001"   "5089006"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5156594"   "5179961"   "5180368"   "5192290"   "5193546"   "5197971"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"   "5493000"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5556408"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5632746"	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/31 15:09

		"5649941"   "5653684"   "5662671"   "5683451"   "5688234"   "5695515"   "5707390"   "5713907"   "5762613"   "5766151"   "5800450"   "5816923"   "6015423"   "6436119"   "6520973"   "RE32158") PN. OR ("6638247"). UPPN.				
S185	122	("0728175"   "0765879"   "0832201"   "1127948"   "1267066"   "2621651"   "2854983"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4669467"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4848336"   "4862874"   "4919112"   "5001556"   "5002041"   "5011488"   "5019040"   "5030201"   "5034001"   "5089006"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5156594"   "5179961"   "5180368"   "5192290"   "5193546"   "5197971"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5263967"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"   "5493000"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5556408"   "5569298"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5632746"   "5649941"   "5653684"   "5662671"   "5683451"   "5688234"   "5695515"	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/31 15:12

		"5707390"   "5713907"   "5752973"   "5762613"   "5766151"   "5800450"   "5816923"   "5893875"   "5964779"   "5968064"   "6010449"   "6015423"   "6120516"   "6217549"   "6398798"   "6436119"   "6508825"   "6520973"   "RE32158").PN. OR ("6800085").URPN.				
S186	74	("1613141"   "2693795"   "20030004401"   "20030191371"   "20040024291"   "20040093000"   "20040176665"   "20040215199"   "20040230100"   "20040230191"   "20050070765"   "20050080320"   "20050159650"   "20050159651"   "20050215866"   "20050234304"   "20050277812"   "20060052812"   "20060142643"   "20060178693"   "20070055247"   "3129706"   "3227156"   "3724449"   "3750652"   "4263899"   "4300541"   "4545374"   "4747394"   "4852552"   "4924857"   "4926849"   "4989587"   "5503617"   "5505690"   "5529571"   "5582577"   "5616117"   "5667520"   "5707359"   "5707362"   "5776054"   "5779629"   "5785648"   "5813978"   "5885210"   "5902233"   "5931777"   "5944658"   "5967972"   "6029964"   "6224545"   "6241659"   "6261296"   "6524320"   "6530926"   "6616605"   "6652553"   "6688195"   "6712795"   "6743206"   "6767355"   "6796422"   "6805127"   "6849064"   "6869398"   "6945933"   "7056329"   "0832201"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/31 15:23

S187	78	("1119794"   "1613141"   "2184642"   "2693795"   "2807259"   "20020055670"   "20030004401"   "20030191371"   "20040024291"   "20040093000"   "20040176665"   "20040215199"   "20040230100"   "20040230191"   "20050070765"   "20050080320"   "20050159650"   "20050159651"   "20050215866"   "20050234304"   "20050277812"   "20060052812"   "20060142643"   "20060178693"   "20070055247"   "0242443"   "3129706"   "3227156"   "3724449"   "3750652"   "4156424"   "4156424"   "4263899"   "4263899"   "4300541"   "4545374"   "4747394"   "4852552"   "4924857"   "4926849"   "4989587"   "5503617"   "5505690"   "5529571"   "5582577"   "5616117"   "5667520"   "5707359"   "5707362"   "5813978"   "5846249"   "5885210"   "5902233"   "5928139"   "5931777"   "5944658"   "5967972"   "6024697"   "6224545"   "6224545"   "6241659"   "6524320"   "6530926"   "6616605"   "6652553"   "6688195"   "6743206"   "6767355"   "6796422"   "6849064"   "6869398"   "6945933"   "7056329"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/31 15:24
S188	14	("0319296"   "0832201"   "1331737"   "5454365"   "5645547"   "5685826"   "5695515"   "5871504"   "5888196"   "6398798"   "6436119").PN. OR ("7211098").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/31 15:28



S189	238	(S183 or S185 or S186 or S187 or S188)	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/31 15:43
S190	16	("5707362"   "6743206"   "6767355").PN. OR ("6849064").URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/31 16:05
S191	28	("0241036"   "2840082"   "3643649"   "3688773"   "3759263"   "3791386"   "3817280"   "3906956"   "3916963"   "3991765"   "4003381"   "4182337"   "4291690"   "4559041"   "4617929"   "4716901").PN. OR ("4877021").URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/08/31 16:20
S192	1546	(128/207.14).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/31 16:25
S194	732	(128/200.26).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/31 16:26
S195	149	(128/207.29).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/31 16:26
S196	1884	(S195 or S194 or S192) NOT (S182 or S183 or S185 or S186 or S187 or S188 or S190 or S191 or (606/167).ccls. or (606/181).ccls. or (606/184-185).ccls.)	US-PGPUB; USPAT	OR	ON	2010/08/31 16:37
S197	1	(09/989055).APP.	USPAT; USOCR	OR	ON	2010/09/01 11:26
S198	204	("2370776"   "3254650"   "3254651"   "3519187"   "3774615"   "4118806"   "4214587"   "4217664"   "4350160"   "4352358"   "4366819"   "4368736"   "4503568"   "4523592"   "4534761"   "4553542"   "4577631"   "4589416"   "4593693"   "4603693"   "4607637"   "4624255"   "4624257"   "4657019"   "4665906"   "4721109"   "4747407"   "4752024"   "4773420"   "4861330"   "4875815"   "4883453"   "4892098"   "4907591"   "4917087"   "4917090"   "4917091"   "4930674"   "5005749"   "5015238"   "5062842"   "5089006"   "5104025"   "5119983"   "5129913"   "5156613"	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/01 11:26

"5156619"	"5171262"
"5178634"	"5187796"
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"5217474"	"5221259"
"5221281"	"5222963"
"5234447"	"5250058"
"5250060"	"5271544"
"5275322"	"5285945"
"5290298"	"5292053"
"5304220"	"5314435"
"5314468"	"5326205"
"5333773"	"5336233"
"5350104"	"5354302"
"5364389"	"5366462"
"5392979"	"5395030"
"5395311"	"5401131"
"5403338"	"5443497"
"5447514"	"5454825"
"5456712"	"5456714"
"5464449"	"5465895"
"5478354"	"5503635"
"5515478"	"5522834"
"5524180"	"5533661"
"5540677"	"5553198"
"5556405"	"5558667"
"5571167"	"5643340"
"5645520"	"5657429"
"5669918"	"5669934"
"5676670"	"5693088"
"5695504"	"5702412"
"5707362"	"5707380"
"5709335"	"5709693"
"5725544"	"5725553"
"5732872"	"5754741"
"5755778"	"5762458"
"5779718"	"5792135"
"5797900"	"5797920"
"5799661"	"5799857"
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"5817113"	"5827316"
"5833698"	"5841950"
"5855583"	"5868763"
"5875782"	"5878193"
"5879371"	"5881943"
"5893369"	"5904697"
"5907664"	"5911036"
"5915616"	"5921995"
"5944730"	"5947363"
"5957363"	"5968089"
"5972014"	"5976159"
"6001124"	"6007544"
"6013190"	"6015416"
"6022367"	"6024748"
"6030370"	"6030395"

		"6036699"   "6036700"   "6036702"   "6036703"   "6036704"   "6036705"   "6050472"   "6053390"   "6056762"   "6066144"   "6066148"   "6068637"   "6074416"   "6080167"   "6080173"   "6083234"   "6110188"   "6113612"   "6117148"   "6120432"   "6146393"   "6149681"   "6152937"   "6152945"   "6165185"   "6167889"   "6171319"   "6171321"   "6176413"   "6176864"   "6186942"   "6187019"   "6187020"   "6190396"   "6190397"   "6190590"   "6193129"   "6193734"   "6206912"   "6206913"   "6235054"   "6485496"). PN. OR ("6893449"). URPN.				
S201	12	("4291690"   "4438768"   "4578865"   "4617929"   "4715121"   "4791725"   "4877021"   "5147316"   "5337481"   "5536256"   "5620456"   "6086606"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/01 11:48
S202	216	(S198 or S201)	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/01 11:48
S203	62	(US-20060079925-\$ or US- 20020169377-\$ or US- 20060287574-\$ or US- 20080142566-\$ or US- 20040249393-\$ or US- 20010018596-\$ or US- 20060167487-\$ or US- 20060178693-\$ or US- 20080065144-\$ or US- 20040077999-\$ or US- 20070198045-\$ or US- 20020077637-\$ or US- 20040230100-\$ or US- 20030191371-\$ or US- 20030009185-\$).did. or (US-6217549-\$ or US- 0668879-\$ or US-5683451- \$ or US-5685826-\$ or US- 6436119-\$ or US-0765879- \$ or US-6638247-\$ or US- 5423846-\$ or US-5522839- \$ or US-7079883-\$ or US- 6564078-\$ or US-6746462-	US-PGPUB; USPAT	OR	ON	2010/09/01 17:08

		\$ or US-6800085-\$ or US-6398798-\$ or US-6508825-\$ or US-7211098-\$ or US-5320627-\$ or US-6027518-\$ or US-6451042-\$ or US-6162236-\$ or US-5490843-\$ or US-6893449-\$ or US-3397699-\$ or US-4608965-\$ or US-5041093-\$ or US-6855126-\$).did. or (US-5053009-\$ or US-6676665-\$ or US-2072346-\$ or US-3713447-\$ or US-5454365-\$ or US-5888196-\$ or US-3799172-\$ or US-5817062-\$ or US-3946741-\$ or US-5377667-\$ or US-5505690-\$ or US-5509893-\$ or US-6280379-\$ or US-7473222-\$ or US-7691057-\$ or US-2485939-\$ or US-5707359-\$ or US-6849064-\$ or US-4877021-\$ or US-4889112-\$ or US-4520810-\$).did.				
S214	81	(600/190).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/09/02 17:18
S215	273	(600/184-185).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/09/02 17:21
S216	252	(600/235).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/09/02 17:21
S217	224	(600/219).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/09/02 17:21
S221	92	(600/214).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/09/02 17:21
S222	31	(600/211).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/09/02 17:21
S223	84	(600/194).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/09/02 17:22
S224	384	(600/210).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/09/02 17:22
S225	1360	(606/191).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/09/02 17:23
S226	187	(S221 or S222 or S223) NOT S214	US-PGPUB; USPAT	OR	ON	2010/09/02 17:24

S228	727	(S215 or S216 or S217 or S224) NOT (S214 or S221 or S222 or S223 or (600/201.ccls. or 600/204.ccls. or 600/206.ccls. or 600/208.ccls. or 600/114.ccls. or 606/198.ccls. or 606/184-185.ccls. or 606/181.ccls. or 606/167.ccls. or 128/207.14.ccls. or 128/200.26.ccls. or 128/207.29.ccls.))	US-PGPUB; USPAT	OR	ON	2010/09/02 17:27
S229	1127	(S225) NOT (S215 or S216 or S217 or S224 or S214 or S221 or S222 or S223 or (600/201.ccls. or 600/204.ccls. or 600/206.ccls. or 600/208.ccls. or 600/114.ccls. or 606/198.ccls. or 606/184-185.ccls. or 606/181.ccls. or 606/167.ccls. or 128/207.14.ccls. or 128/200.26.ccls. or 128/207.29.ccls.))	US-PGPUB; USPAT	OR	ON	2010/09/02 17:28
S232	2	((11/154170) or (10/108993)).APP.	US-PGPUB; USPAT	OR	OFF	2010/09/02 20:12
S233	13	("2665597"   "2704076"   "2827054"   "3821956"   "3893454"   "4281658"   "4585437"   "4934038"   "5342384"   "5785648"   "6221622"   "6371964"   "6589212").PN.	US-PGPUB; USPAT	OR	ON	2010/09/02 20:12
S234	2	("4652259"   "6221622").PN.	US-PGPUB; USPAT	OR	ON	2010/09/02 20:13
S235	14	S233 or S234	US-PGPUB; USPAT	OR	ON	2010/09/02 20:13
S236	2103	(606/108).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/09/08 14:17
S237	974	(606/99).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/09/08 14:17
S238	1854	S236 NOT (S237 or 606/198.ccls. or 606/191.ccls.)	US-PGPUB; USPAT	OR	ON	2010/09/08 14:33

S242	37	("0020181"   "20050273039"   "0021872"   "4084268"   "4185619"   "4343048"   "4477930"   "4725274"   "4763667"   "4973318"   "5125914"   "5397351"   "5411552"   "5474663"   "5486190"   "5500014"   "5549665"   "5725499"   "5833694"   "5840081"   "5855597"   "5855601"   "5855602"   "5861028"   "5906642"   "5924424"   "5948017"   "5971953"   "6077296"   "6168614"   "6458153"   "6530896"   "6769434"   "6869444"   "6939318"   "7306611"   "7510572").PN.	US-PGPUB; USPAT	OR	ON	2010/09/08 18:22
S243	4	("20040034411"   "20040034411"   "20050187613"   "20050187613"   "6132458"   "6752819"   "6752819").PN.	US-PGPUB; USPAT	OR	ON	2010/09/08 18:23
S244	27	("1624716"   "0020181"   "20030040792"   "0021872"   "4084268"   "4477930"   "4725274"   "5217441"   "5397351"   "5411552"   "5472429"   "5500014"   "5549665"   "5840081"   "5855597"   "5855601"   "5855602"   "5861028"   "5924424"   "5948017"   "5971960"   "6030364"   "6077296"   "6168614"   "6458153"   "6769434"   "7131985"). PN.	US-PGPUB; USPAT	OR	ON	2010/09/08 18:24
S245	5	("20020038128"   "5752970"   "6030364"   "6083203"   "6497686"). PN.	US-PGPUB; USPAT	OR	ON	2010/09/08 18:24
S246	73	((Gabbay) near2 (Shlomo)).INV.	US-PGPUB; USPAT	OR	OFF	2010/09/08 18:25
S247	122	(S242 or S243 or S244 or S245 or S246)	US-PGPUB; USPAT	OR	OFF	2010/09/08 18:35

**EAST Search History (Interference)**

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